Public Service Commission of Wisconsin

Ave M. Bie, Chairperson
Joseph P. Mettner, Commissioner
Robert M. Garvin, Commissioner

610 North Whitney Way
P.O. Box 7854
Madison, WI 53707-7854

May 23, 2001

Re: Investigation Into Ameritech Wisconsin's Unbundled Network Elements — 6720-TI-161

To Service List:

This is to acknowledge that Ameritech Wisconsin's 2001 Construction Plan offered into evidence by Public Service Commission of Wisconsin staff by letter dated April 11, 2001, will be admitted into the record as **Exhibit 136**; there having been no known objection to the admission of the exhibit by April 20, 2001, as staff's letter requested.

I apologize for not getting this notification out sooner.

Sincerely,

Jeffry J. Patzke
Administrative Law Judge

JJP:nea:x:\letter\6720-TI-161 admitting Exhibit 136

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Ameritech Wisconsin 2001 Construction Plan

March 2001

Index

Section I Executive Summary

2001 Construction Plan Filing

Executive Summary:

Ameritech Wisconsin takes pride in the network it has in place to serve customers. It is truly state of the art. Yet, as technology marches forward, the pace of change and the availability of new technologies seem limitless. Ameritech has invested over $1.3 billion in Wisconsin since 1995. During that time, significant changes in the network have taken place.

- Deployment of digital switches, all connected to the SS7 network, so that 100% of Ameritech's customers are now served by these technologies.
- Migration of the interoffice network to fiber facilities. As of the end of 1999, more than 99% of the DS1 circuits between Ameritech offices are on fiber facilities.
- Deployment of ISDN technology so that it is now available to over 90% of Ameritech's lines.
- Deployment of fiber optics to over 700 secondary school, college, library and hospital locations in Ameritech's territory.

As impressive as those changes were, Ameritech has a vision of the network for the future. It will be a network that can provide the means to serve the growing demand from all customers for broadband services.

That vision has:

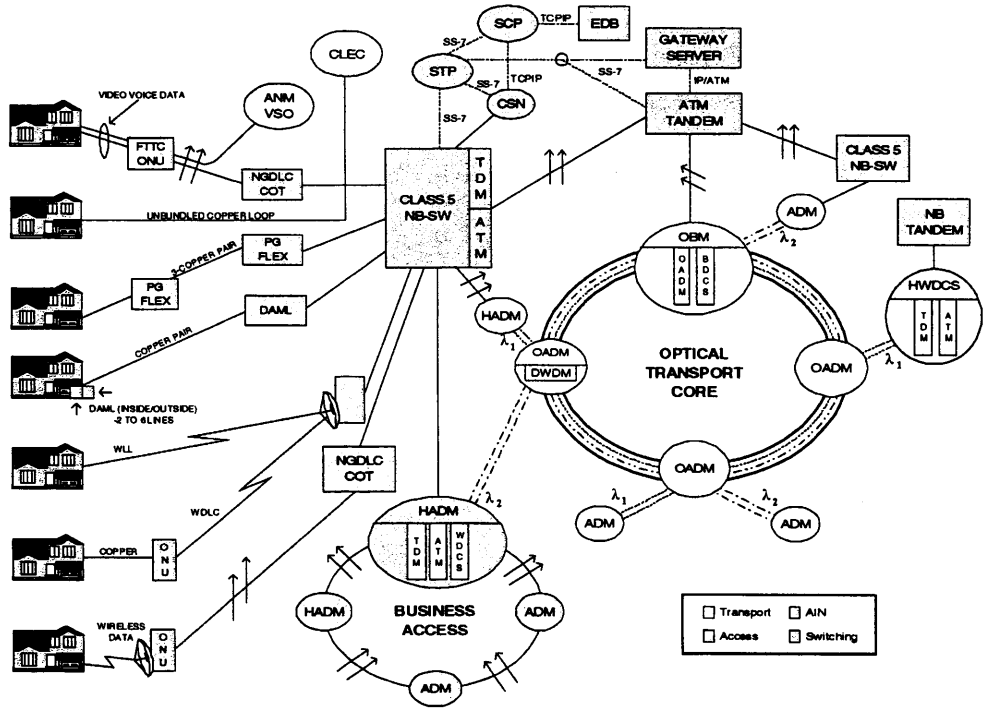
- Asynchronous Transfer Mode (ATM) switches, moving voice as packetized data through the core of the network.
- Interoffice circuits evolving to being optically, not electrically, interconnected hybrid network elements.
- Fiber optics going closer to customers while copper placements will decline in the feeder/distribution plant.

To move this vision forward, Ameritech Wisconsin plans to invest $350 million in 2001. A portion of this will be for Project PRONTO, SBC's $6 billion initiative to transform the network so that 80 percent of customers will be able to have access to broadband ADSL services.

Figure I – 1 is a representation of the network for the future. The remainder of this report provides more details on the types of technologies that will be introduced over the next few years.

Figure I - 1

AMERITECH NETWORK ARCHITECTURE - FUTURE



Not all of these technologies will be placed in Wisconsin this year. In an effort to provide the Commission with the most complete information, we have included a description of technologies expected to be introduced over the next several years. Where available, specific information regarding placement in Wisconsin has been provided. As an aid to readers, a list of technical acronyms is provided in the appendix.

The report is comprised of four sections and an appendix: I) Executive Summary, II) Central Office, III) Interoffice Facilities and IV) Distribution Plant.

This is the second year that Ameritech has provided its report in this format. During the previous five years, 1995-1999, the report focused on the progress of Ameritech Wisconsin's infrastructure commitments made when moving to price regulation under Act 496. Those commitments were completed as of December 31, 1998. Thus, Ameritech provides the information enclosed in response to the Commission's order in docket 05-TI-174 dated June 22, 1999. In that order the Commission stated that Ameritech Wisconsin would be required to continue providing information on its construction plans.

Section II
Central Office Equipment

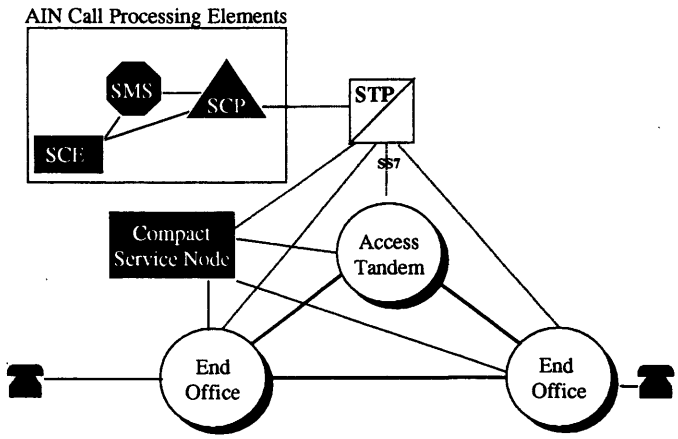
II. Central Office Equipment

In this section the plans to enhance the switching elements of Ameritech's network will be discussed. These elements include:

- End Offices (Class 5 switches)
- Tandem Switches
- Ameritech Intelligent Network (AIN) Platform
- Signaling System 7 Network

Figure II - 1

AMERITECH'S SWITCHING NETWORK



Ameritech's strategy in this area is to: 1) extend the economic life of the narrow-band end office switches and 2) position the network for the next generation packet based switches.

End Office (Class 5 switches)

Ameritech currently has 121 End Office switches, of which 48 are Remotes tied to host machines. All of these are digital switches. Ameritech continues to match the placement of switching machines to customers' needs. As service needs require, the growth of a switch or its replacement is initiated. In 2000 Ameritech replaced the existing Nortel DMS10 switch in the Sussex exchange with a Siemens EWSD stand-alone switch.

The strategy for extending the economic life of these switches consists of:

1) Implement services that move dial-up Internet traffic from the voice trunk network to other platforms.
2) Implement high-speed trunk interfaces at the STS-1, OC-3 and OC-12 rates to increase capacity.

3) Implement Telcordia (formerly BELLCORE) standard TR-303 for integrated digital loop carrier systems which moves the switch line interface and function closer to end users to leverage transport savings and reduce port costs.

Dial-up Internet Traffic

The challenge presented by the explosive increase in Internet traffic has been to manage switch module and trunk group growth. The call characteristics for Internet traffic is different from voice traffic in that the holding times are much longer. This requires the creation of additional talk paths, or trunks, in the interoffice network to meet the higher demand.

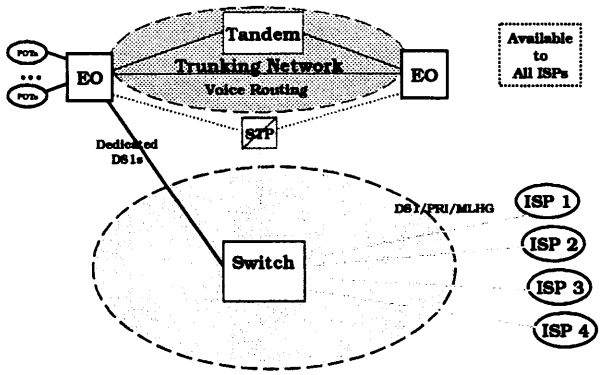
Two efforts are under way to migrate dial-up Internet traffic from the voice trunk network. The most ambitious is Project PRONTO, which will be discussed in section IV. It is the placement of the infrastructure elements necessary to allow the provisioning of ADSL service to 87% of Ameritech's lines in Wisconsin. The other project is to provide an upgraded service, called "Ensemble", to ISPs in the Southeast LATA.

The Ensemble product was made available in the Southeast LATA in September 1999. As described in Ameritech's tariff:

> Ensemble service will provide customers *(ISPs)* access to end users through an integrated hub in specific LATAs. Ameritech Ensemble is comprised of specific directory numbers and the Switched Redirect Network; a dedicated network of data optimized high usage one-way trunk groups to a centralized dedicated hub central office.
>
> Ensemble customers *(ISPs)* can offer their end users, specific local directory numbers, which are routed over the Switched redirect Network (SRN), to the centralized hub. The ensemble customers will then receive their end users hubbed traffic via existing, tariffed Ameritech ISDN Prime Service.

Figure II - 2

EXTENDS THE LIFE OF THE CLASS 5



While it does not address all of the issues associated with Internet traffic, the Ensemble product does provide relief to tandem switches and other interoffice network elements.

High-Speed Trunk Interfaces

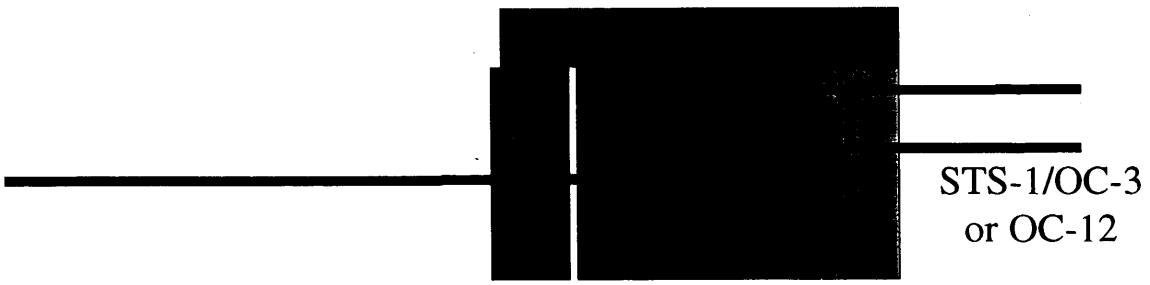
The second tactic being used to extend the economic life of the existing narrow-band End Office switches is to migrate the trunk connections from today's DS1 level to the STS-1 level (which is an electrical connection) and eventually to the OC-3 / OC-12 level (optical connection). Each STS-1 connection is equivalent to 28 DS1s.

Figure II – 3

EXTENDING THE LIFE OF THE CLASS 5

Implement high speed trunk interfaces STS-1, OC-3 (1999), OC-12 (2001)

- OC-3 eliminates Optical to Electrical conversion at offices equipped with WBDCS
- OC-3 /OC-12 provides 1+1 protection between Switch and IOF



Ameritech is in the process of implementing an OC-12 interface between the Hartford remote and Menomonee Falls host scheduled for completion in the 3rd quarter 2001.

Ameritech has already implemented the STS-1 connection in several switches from one of its vendors:

Milwaukee - Aetna Court Tandem
Milwaukee - Fairway Drive
Milwaukee - N. 26th Street (Ensemble switch)
Appleton
Green Bay - Jefferson Street
Madison - Main

The advantage of this change is that the quantity of trunks terminated on an individual switching module is almost double that of the existing method. This allows Ameritech to increase the number of connections to the switch without increasing the number of switch modules in the office. This is a valuable tool in offices with a large numbers of

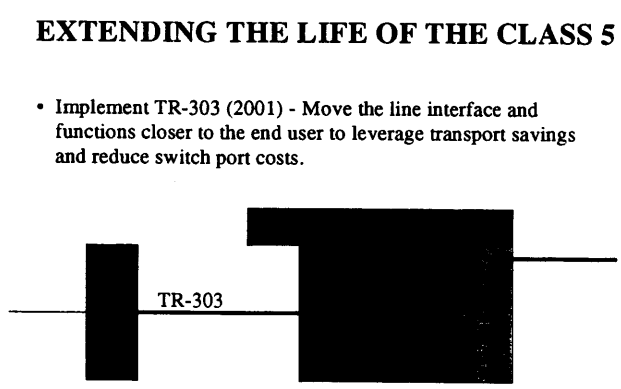
interconnections to CLEC switches, or in offices that require substantial trunk group increase due to Internet traffic growth.

During 2001 testing of STS-1 trunk connections will continue with a second switch vendor with implementation in that technology starting in 2002.

TR303 Integrated Digital Loop Carrier

Technical Reference TR-TSY-000303, often referred to as simply "TR303", describes Telcordia's view of the overall system functions and performance levels required for integrating a Digital Loop Carrier System (DLC) into a Local Digital Switch (End Office) at the DS1 transmission rate. What differentiates it from its TR008 predecessor is that TR303 addresses the need for enhancing the provisioning process for advanced services such as ISDN. It also provides for additional testing and service monitoring capabilities.

Figure II - 4



Ameritech is in the process of implementing TR303 Integrated Digital Loop Carrier systems at the following locations in 2001:

Appleton Milwaukee-Grange Ave. Madison-Black Oak Madison-Sylvan

Tandem Switches

Ameritech currently has seven tandem switches in Wisconsin. Tandem switches provide the function of gathering traffic, local and toll, from end offices and delivering it to other service providers. This is referred to as the Access Tandem and Local Tandem functions. There is a local tandem in the Milwaukee exchange that acts as an alternative route for local calls in the metropolitan area.

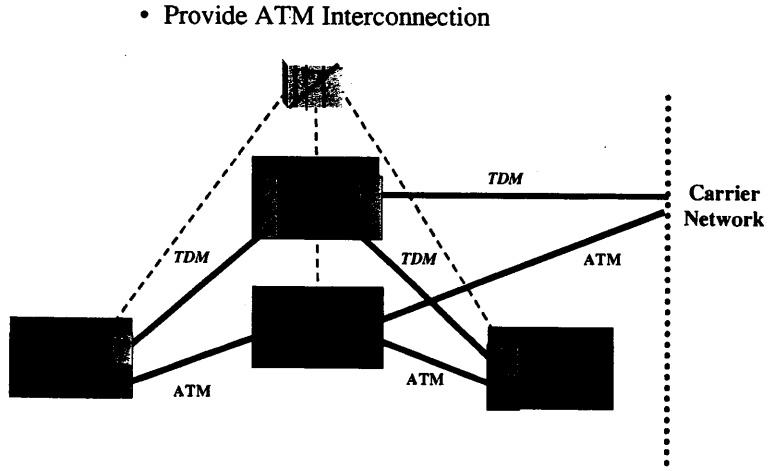
Because of traffic growth, Ameritech Wisconsin has changed the function of the Local Tandem in the Milwaukee exchange to an Access Tandem function. The end result will be two Access Tandem's covering the Southeast LATA. This conversion is to be completed during the 4th Quarter 2001. Traffic growth in the Northeast and Southwest LATA's will trigger the placement of a 2nd Access Tandem in both LATA's with service planned for early 2002 and early 2003 respectively.

Initial plans were for this additional tandem capacity to be filled by an Asynchronous Transfer Mode (ATM) packet-based switch. However, testing on use of this technology in the voice network continues with our vendors. At this time the additional Access Tandem capacity is planned from digital circuit-switches.

Ameritech expects to see a significant change in the use of tandems in the near future. As part of SBC's Project PRONTO, field trials of ATM tandems are to begin in 2002 in Houston and Los Angeles.

Figure II - 5

NEXT GENERATION SWITCHING



A significant part of Project PRONTO is SBC's plan to invest over $700 million in a technology called Voice Trunking over ATM, or VTOA. VTOA involves the scheduled

and sequenced replacement of standard circuit-switched tandems with packet-based ATM switches within the core of the network. It's one of the first technologies being planned for wide deployment in order to make convergent voice and data networks practical. Once the field trials prove successful, the ensuing deployment would be one of the largest of its type. The convergence of voice and date backbones will significantly increase network efficiency and scalability by allowing SBC/Ameritech to transport voice traffic the same way as data – via – packets and the same level of call quality and reliability that today's network provides.

This is not simply a one-for-one replacement plan. The use of ATM switching allows for a distributive architecture, with a single switch consisting of multiple nodes in the network. As the distributive architecture matures SBC plans to convert existing tandems to ATM distributive tandems. This replacement could take place in the 2005-2006 timeframe.

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Section III
Interoffice Transport

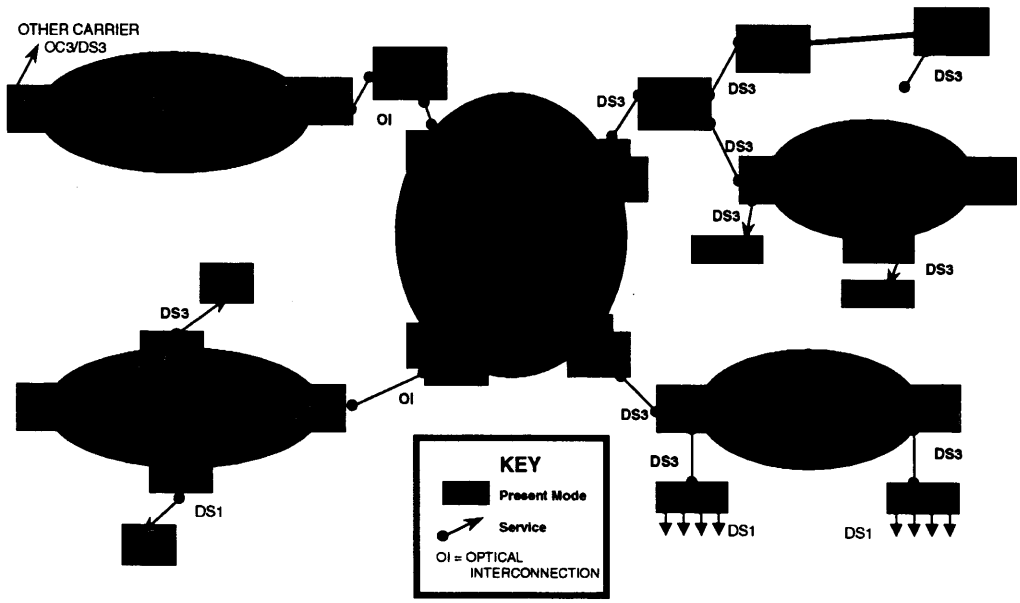
III. Interoffice Transport Network

In this section the plans to enhance Ameritech's transport network elements will be discussed. These elements include:

- Fiber based SONET transport
- Add/Drop Multiplexers
- Digital Cross-Connect Systems

Figure III - 1

CURRENT TRANSPORT NETWORK



Ameritech has upgraded its interoffice network such that over 99% of interoffice circuits are now on fiber facilities.

In 2001 three new routes are planned:

Appleton	to	Winneconne
Milwaukee Broadway	to	Milwaukee S. 26th Street
Watertown	to	Reeseville (Independent)

Ameritech's strategy in this area is to; 1) grow SONET networks and 2) increase core transport capacity.

SONET Networks

SONET networks have proven to be cost effective, manageable and reliable. As a transport architecture it has the advantages of survivability in a ring format, plus the flexibility of the add/drop multiplexing at node locations. It also provides for superior provisioning with its remote access capabilities.

Ameritech had 151 interoffice SONET rings in operation as of the end of 2000. Of those in operation, fourteen are "folded" rings, which means that the fiber route has no physical diversity. However, the SONET architecture does provide for diversity of the electronics. This means a backup exists should an electronic circuit board fail in the system.

Summarized below is the number of rings by their operating speed. Please note that this does not include SONET rings dedicated to single customers.

Interoffice SONET Rings
12-31-2000

Speed	Number	Central Offices Connected[1]
OC-3	6	10
OC-12	37	54
OC-48	108	80

At the end of 2000, all but three of the Ameritech offices in Wisconsin had some SONET technology for interoffice transport. At the end of 2001, only one office is expected to be without this technology.

Plans in 2001 are to add 70 SONET rings, involving 75 offices. Most of these will be operating at OC-48 level.

In an effort to grow SONET networks Ameritech plans to use the following tactics:

- Invest in survivable ring architectures
- Increase TITAN[2] Wide-band Digital Cross-Connects
- Introduce Bi-directional Loop Switched Rings
- Introduce OC-192 transport

Survivable Ring Architecture

As transport system capability increase, the need for survivable architectures intensifies. The risk of a significant outage increase and service quality will erode, if the survivability is not provided. Therefore Ameritech's planning goal is that any OC-192 and Dense

[1] Some duplication in office counts because some offices have more than one connection to SONET rings.
[2] TITAN is a registered trademark of Tellabs Inc.

Wave Division Multiplexing (DWDM) systems deployed will have physical fiber diversity. In addition, any OC-48 networks serving 48 switched DS3 equivalents or greater will have physical fiber diversity.

TITAN Deployment

Over the last few years Ameritech Wisconsin has installed 17 TITAN digital cross-connect systems (DCS). TITANs are the latest generation of DCSs and have superior service provisioning and monitoring capabilities.

Central offices with TITANs are:

Appleton	Milwaukee – Aetna Court (2)
Eau Claire	Milwaukee – Broadway (2)
Green Bay – Jefferson St.	Milwaukee – Fairway Drive
Green Bay – Ridge	Milwaukee – Fond du Lac Avenue
Green Bay – Huth	Milwaukee – N. 26th Street
Lake Geneva	Racine – Main
Madison – Main	Waukesha
Madison - Kedzie	

In 2001 Ameritech plans to grow six of the systems above and add a second TITAN at Milwaukee - Fairway Drive.

The TITAN digital cross-connect system is designed around a SONET-based platform. It currently supports 1/1, 3/1, 3/3 and SONET STS-1 functionality for today's network switching needs. The system also supports OC-3 and OC-12 point-to-point optical interfacing with other SONET network elements. Advantages of TITANs include: reduced equipment costs, reduced operations administration maintenance and provisioning costs, and improved maintainability and reliability of customer's networks

The TITAN system also provides a wide variety of digital cross-connect functions such as:

- Facility filling and grooming functions that allow dynamic bandwidth management of backbone transports. The TITAN system can replace manual cross-connect panels and stand-alone multiplexers, allowing software control of bandwidth routing.
- Control of direct DS1 connectivity between customer's premises and the public network backbone. This allows public service providers to offer end users dynamic bandwidth service.
- Flexible performance monitoring of DS1s, DS3s, STS-1s and DS1s within DS3s without affecting switch capacity.

Bi-directional Loop Switched Rings (BLSR)

Placement of this technology in the Ameritech network was approved in late 1999. At this time deployment in Wisconsin is under study. This configuration of SONET is more

efficient for distributed traffic, such as between other optical network elements or inter-hub arrangements. In a distributed traffic model, up to 30% more services can be provisioned than in the traditional Uni-directional Path Switched Ring (UPSR).

Figure III-2 shows the normal operations of this ring. Figure III-3 shows how the ring operates during a fiber cut.

Figure III - 2

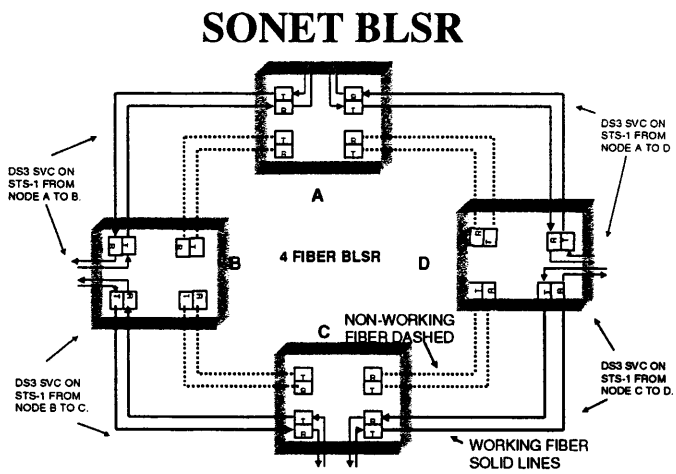
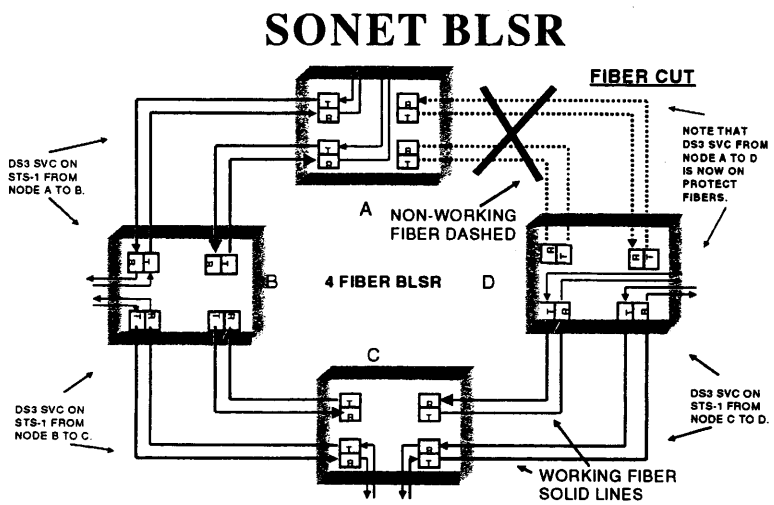


Figure III-3

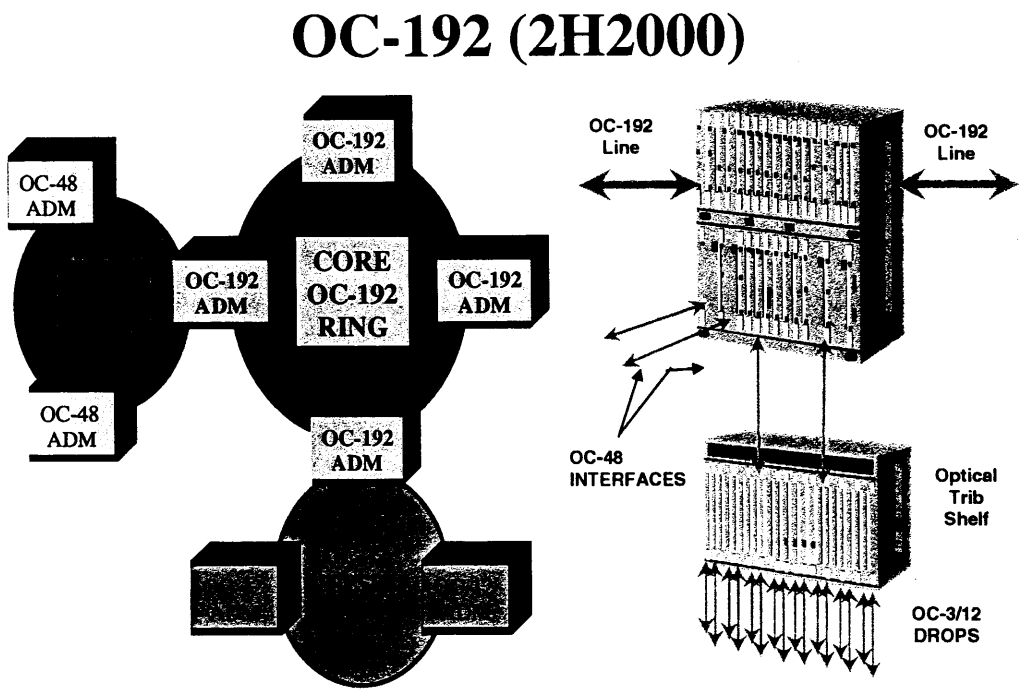


OC-192 Transport

OC-192 has proven to be a reliable transport in the Inter-exchange Carrier's networks and is expected to perform similarly in Ameritech's network. Currently the economics prove this to be a viable solution when the demand for DS3's is 80-84 or above. It may also be viable in situations where there is a need to recover use of fiber strands in a route for other applications, instead of deploying additional fiber.

Three 0:2 systems were deployed in Wisconsin in 2000. Ameritech presently plans to deploy 15 more 0:2 systems in Wisconsin during 2001.

Figure III - 4



Core Transport Capacity

Ameritech's second strategy is to increase the core transport capacity levels. This is achieved by making new transport solutions available to engineers. These include:

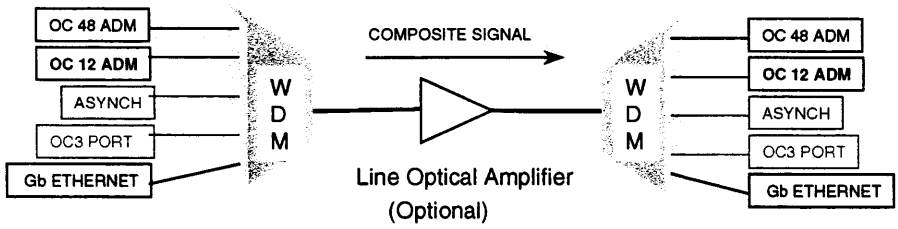
Fiber Optic Passive Wave Division Multiplexing (WDM)
Fiber Optic Dense Wave Division Multiplexing (DWDM)

The introduction of these technologies enhances the capacity of fiber in the network. Wave Division Multiplexing is to fiber optics as T1 carrier system was to copper. It is combining multiple signals on a single fiber strand. The wavelength of the light source is what is unique to each signal.

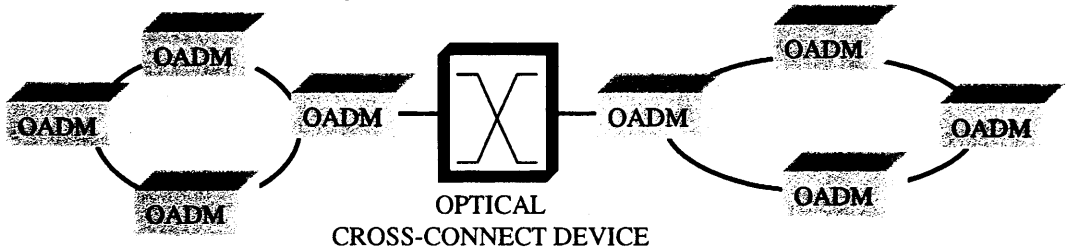
Figure III - 5

WDM AND OPTICAL NETWORKING OVERVIEW

WDM: Transport of multiple independent optical systems on a single fiber.
Currently available between 2 and 40 channels per fiber.



Optical Networking: WDM + Rearrangeable Wavelength Routing.



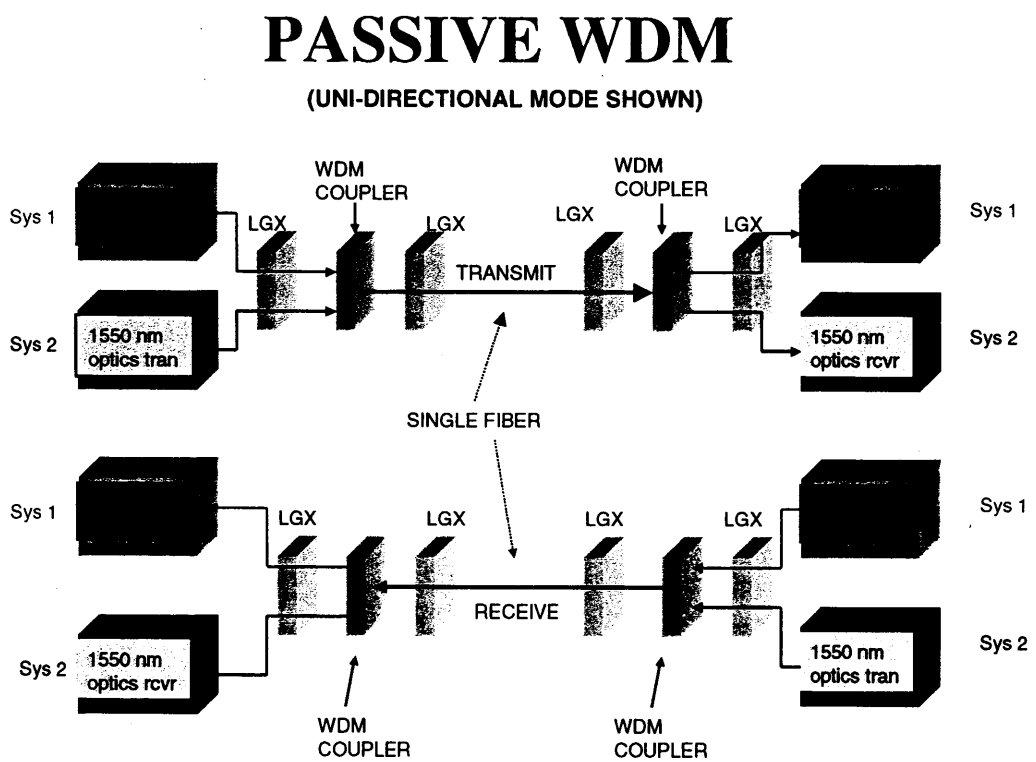
Passive WDM

Passive Wave Division Multiplexing was available to be placed in the network in 1999. At this time there are no plans to place this technology in the Wisconsin network.

Passive WDM is an alternative to placing new fibers. It is economical for distances less than 25 miles. One of its advantages is that at these distances it requires no power, alarms and has no moving parts.

Passive WDM is not a substitute for fiber diversity. Figure III – 6 is a representation of a Passive WDM system.

Figure III - 6



Dense WDM

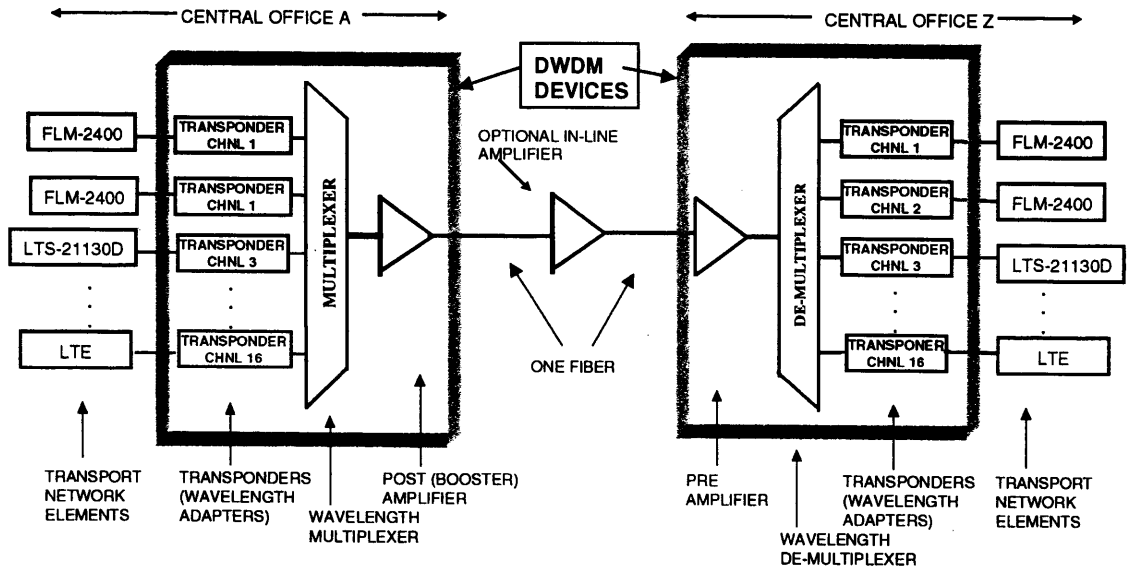
Dense WDM is another alternative when fiber reinforcement is needed. SBC is in the process of selecting an approved product for use in the network. At this time there are no plans to place this technology in the Wisconsin network.

Dense WDM is economical when relief involves significant infrastructure builds (conduit etc.), long distances between nodes and high channel growth rates.

Figure III - 7

DENSE WAVELENGTH DIVISION MULTIPLEXING

(ONE DIRECTION SHOWN)



NOTES
1. TRANSPONDERS ADAPT BROAD WAVELENGTHS USED BY TRANSPORT NETWORK ELEMENT TO THE TIGHT TOLERANCE WAVELENGTH USED BY THE DWDM SYSTEM.
2. TRANSPONDERS ALLOW OTHER VENDORS TRANSPORT NE'S INTERFACE WITH A DIFFERENT VENDORS DWDM SYS.

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Section IV
Feeder / Distribution

IV. Feeder / Distribution

The Feeder/Distribution network continues to evolve from a copper platform to a fiber – copper hybrid. As of the end of 2000, 19.2% of Ameritech Wisconsin's access lines in service were served via fiber-fed digital carrier systems.

Ameritech-Wisconsin's strategy in this area is to:

- Drive fiber closer to the customer
- Deploy a flexible full service platform
- Reduce new copper investments

The tactics to be used to meet these needs are: 1) Project Pronto and 2) the availability of a wireless Digital Loop Carrier solution for unique installations.

Project PRONTO

On October 18, 1999 SBC announced an initiative named Project PRONTO, which involves the company's entire 13-state in-region territory. Project PRONTO is designed to transform SBC into a broadband service provider capable of meeting customer needs for data, voice and video products. SBC plans to invest more than $6 billion over three years in fiber, electronics and ATM technology in order to create a robust data-centric broadband network architecture. As required by the FCC's merger order, advanced data services, including ADSL, will be provided to customers through a separate subsidiary. In Wisconsin, the subsidiary is Ameritech Advanced Data Services (AADS). However, the vast majority of the investment to provide the underling infrastructure will be made, and owned, by Ameritech Wisconsin.

Of the $6 billion that SBC plans to invest, 75 percent will be directed towards improvements to the basic local loop infrastructure (i.e., fiber feeder and next-generation remote terminals). The local exchange companies (i.e., Ameritech Wisconsin) will own this investment. The remaining 25% will fund other infrastructure improvements, especially in the tandem and interoffice network. This was discussed in section II and is referred to as Voice Trunking Over ATM (VTOA).

One element of Project PRONTO is deployment of next-generation remote terminals, which are designed to eliminate loop length and network condition limitations, thus providing broadband capability to more than 87 percent of customer locations within Ameritech Wisconsin's service territory.

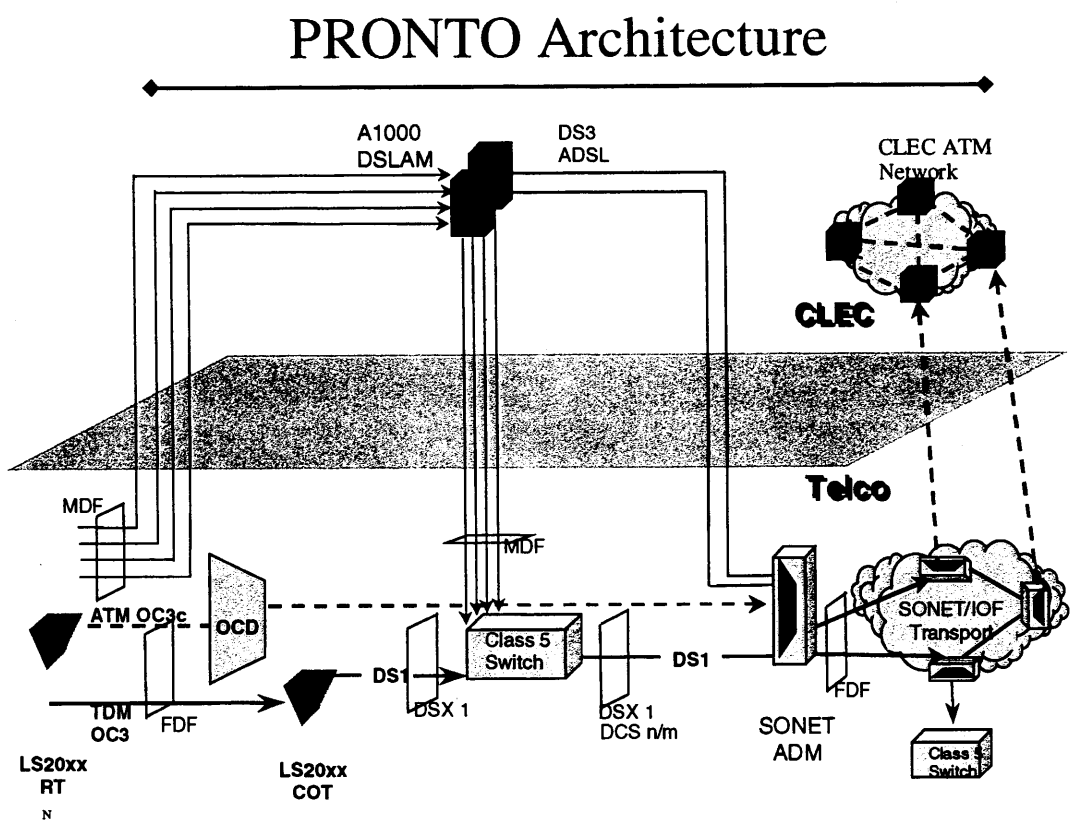
Project PRONTO will deploy an advanced, highly flexible, next-generation digital loop carrier (NGDLC). The sites where the NGDLC will be deployed are referred to as "neighborhood gateways" or remote terminals. NGDLC uses single-mode fiber and employs the synchronous optical network (SONET) signal format as the transmission medium between nodes. The selected access platform provides the following features:

- Support of POTS and xDSL services, currently ADSL.

- Ability to transport and groom signals from Telcordia standard TR-008-compliant systems.
- Support of OC3 SONET transport between nodes
- Software control of system administration, provisioning, operations and maintenance.
- Support for Telcordia standards TR-057, TR-008, and GR-303 switch interfaces.

The neighborhood gateways to be used in Wisconsin are Alcatel's Litespan 2000/2012. They will be installed to effectively shorten copper loops for DSL to less than 12 Kft. from the remote terminal. OC-3s will be utilized to transport data from the RT to the Central Office. A separate, dedicated OC-3 will be used for data and an OC3 for voice. In the central office, the incoming data OC-3 will terminate in an Optical Concentration Device (OCD). The OCD aggregates many incoming OC-3s from multiple remote terminals to a smaller number of outbound OC-3 or DS3 facilities. Additionally, the OCD routes packetized data traffic to the appropriate ATM network based upon packet routing addresses. New Element Management Systems are being deployed to manage these network elements (AMS for the Litespan and NaviScore/LARIAT for the OCD).

Figure IV - 1



The corporation is making an effort to ensure that this information is available to all members of the industry. Information on the initial wire center deployment and remote

terminals scheduled for upgrade/deployment can be found on SBC's web site: https://clec.sbc.com/.

In Wisconsin there are 59 wire centers currently scheduled for Project PRONTO deployment. They are located in the following exchanges:

Appleton(except Greenville remote)
Beloit
Cedarburg
De Pere
Eau Claire (except Altoona remote)
Fond du Lac
Green Bay (all except Cardinal Lane)
Hubertus
Hartland
Jackson
Janesville
Kenosha (all except Pleasant Prairie remote)
Lake Geneva
Madison (all)
Manitowoc
Merton
Milwaukee (all except: Park Place & Brookfield Lakes remotes)
Menomonee Falls
Menomonie
Muskego
Neenah
North Lake
Oconomowoc
Oshkosh
Pewaukee
Parkside
Port Washington
Racine (all)
River Falls
Sheboygan
Stevens Point
West Bend
Waukesha (except Riverwood & Swenson Dr. remote)

These exchanges represent over 87% of the access lines Ameritech Wisconsin serves.

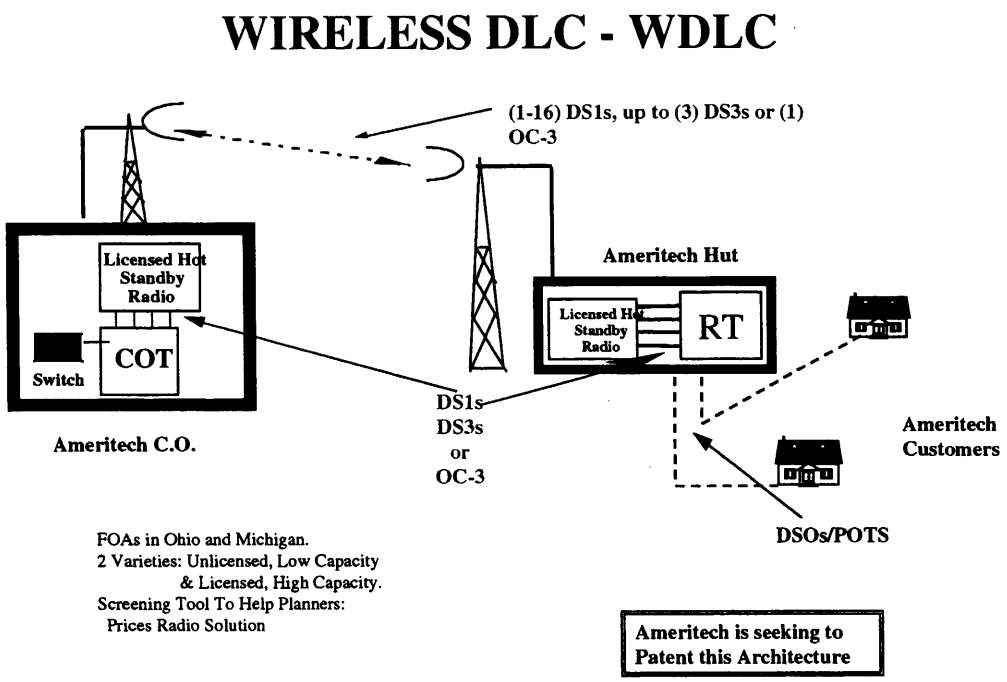
In Wisconsin Project PRONTO involves the upgrade of over 350 existing Litespan remote terminals and the placement of almost 500 additional Litespan units. Included in the Appendix at page 30 is a list of the remote terminal's currently activated to provide ADSL service. This information is based on reports for Ameritech Wisconsin from the SBC web site as of March 28, 2001. The web site's information will be updated frequently throughout 2001.

As shown in Figure IV-1 above the PRONTO architecture requires the use of an optical concentration device (OCD) to gather the data streams from the remote terminals. Thus far Ameritech has turned up twenty-one OCDs. Their locations are shown on page 29 in the Appendix.

Wireless Digital Loop Carrier

Wireless digital Loop Carrier (WDLC) is a low cost strategic solution to provide capacity when the application demands the quicker deployment of Digital Loop Carrier, or right-of-way issues will prohibit a traditional solution. Ameritech currently is field testing this application in Ohio and Michigan. There are no plans to place this technology in the Wisconsin network at this time. However, if an application that meets the parameters is presented, use of this technology will be considered.

Figure IV - 2



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Appendix

Acronyms

ADSL	Asymmetrical Digital Subscriber Line
AIN	Ameritech Intelligent Network
ATM	Asynchronous Transfer Mode, cell based transport & switching
BDCS	Broadband (3/3) Digital Cross-connect System
BLSR	Bi-directional Line Switched Ring (SONET ring restoration)
BRX	Broadband Transceiver
COT	Central Office Terminal
CSN	Compact Service Node
DAML	Digital Added Main Line – Carrier system supporting up to 6 POTS channels
DS3 UNI	DS3 User-Network Interface, ATM cell formatted DS3
DSLAM	Digital Subscriber Line Access Multiplexer, ADSL CO Mux
DWDM	Dense Wavelength Division Multiplexing
EDB	Extended Data Base
FGI	Feature Group I (Internet Re-direct) (Ensemble product)
FTTB	Fiber To The Block or Fiber To The Building
FTTC	Fiber To The Curb
G.Lite	"Lite" ITU standard for ADSL transmission, interface being used on new PC's
HADM	Hybrid Add/Drop Multiplexer
HDSL	High bit rate Digital Subscriber Line
HWDCS	Hybrid Wide-band Digital Cross-connect System
IDLC	Integrated Digital Loop Carrier – direct connection of Remote Terminal into switch at the DS1 rate
IP	Internet Protocol
ISP	Internet Service Provider
IXC	Inter-exchange Carrier
LS2012	Litespan 2012
LS200	Litespan 200
MLHG	Multi Line Hunt Group
NB	Narrow Band – 64 Kbps bandwidth
NGDLS	Next Generation Digital Loop Carrier – for Ameritech Wisconsin Litespan 2000/2012
OC-3	SONET transport at 155 Mbps.
OC-12	SONET transport at 622Mbps.
OC-48	SONET transport at 2.5 Gbps.
OC-192	SONET transport at 10 Gbps.
OBM	Optical Broadband Multiplexer
OCD	Optical Concentration Device – ATM data switch in Central Office
OADM	Optical Add/Drop Multiplexer
ONU	Optical Network Unit
PG FLEX	Carrier system supporting 24 POTS channels using HDSL technology
PRI	Primary Rate ISDN, data rate = 1.544 Mbps.

Acronyms
(Continued)

RT	Remote Terminal
SCE	Service Creation Environment – software environment for the creation of new AIN services
SCP	Signal Control Point
SMS	Service Management System – provides for the operations, administration and provisioning of AIN services
SONET	Synchronized Optical NETwork
SS7	Signaling System 7
STP	Signal Transfer Point
STS-1	Synchronous Transport Signal level 1, basic SONET bldg. block = 51.84 Mbps
TCPIP	TCP/IP – Transmission Control Protocol / Internet Protocol
TDM	Time Division Multiplexing
TR303& GR303	Telcordia integrated switch interface for NGDLC systems
UPSR	Uni-directional Path Switched Ring
VDSL	Very high bit rate Digital Subscriber Line
WDCS	Wide-band (3/1) Digital Cross-connect System
WDLC	Wireless Digital Loop Carrier
WDM	Wavelength Division Multiplexing
WLL	Wireless Local Loop

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TABLE OF DATA BY ACCOUNT
CAPITAL INVESTMENT
($)M

CONSTRUCTION DATA BY ACCOUNT:	ESTIMATE 2001	ACTUAL 2000[3]	BUDGET 2000[4]
General Support Hardware Investments:			
Land & Buildings		14.5	12.2
Garage & Other Work Equipment		6.3	4.5
Motor Vehicles		6.9	-
Office Equipment		0.04	-
General Purpose Computers		0.8	1.1
Total	28	28.6	17.8
Central Office Hardware Investments:			
Switching		62.9	63.5
Operator Services		0.7	-
Circuits		127.1	133.0
Radio Systems		0.07	-
Total	195	190.8	196.5
Information Orig./Term. Hardware Investments:			
Public Term Equipment		0.3	1.2
Other Term Equipment		0.1	1.5
Total	2	0.4	2.7
Cable & Wire Facility Hardware Investment:			
Total	120	103.8	93.0
Amortized Assets:			
Total	5	7.2	-
Total Capital Investments:	**350.0**	**330.8**	**310.0**

Note: Ameritech does not develop a detailed construction budget beyond the current year. The budget is driven by forecasts of customer demand developed in the fall of the prior year. Thus, if forecasted growth declines, so will the next budget. With the commitment to Project PRONTO, Ameritech Wisconsin could expect to have construction expenditures ranging from $300M to $350M in 2002 and 2003.

[3] Source: December 2000 MR21
[4] Source: 2000 Construction Plan, page 28

OCD List

COMPANY	MARKET AREA	STATE	WC CLLI	EST COMP DATE	IN SERVICE
AIT	WISCONSIN	WI	APPLWI01	11-2000	Y
AIT	WISCONSIN	WI	CDBGWI15	11-2000	Y
AIT	WISCONSIN	WI	DEPRWI11	11-2000	Y
AIT	WISCONSIN	WI	GNBYWI11	12-2000	Y
AIT	WISCONSIN	WI	GNBYWI12	11-2000	Y
AIT	WISCONSIN	WI	MDSNWI12	11-2000	Y
AIT	WISCONSIN	WI	MDSNWI13	11-2000	Y
AIT	WISCONSIN	WI	MDSNWI14	12-2000	Y
AIT	WISCONSIN	WI	MDSNWI16	11-2000	Y
AIT	WISCONSIN	WI	MILWWI10	11-2000	Y
AIT	WISCONSIN	WI	MILWWI12	12-2000	Y
AIT	WISCONSIN	WI	MILWWI16	11-2000	Y
AIT	WISCONSIN	WI	MILWWI23	11-2000	Y
AIT	WISCONSIN	WI	MILWWI25	11-2000	Y
AIT	WISCONSIN	WI	MILWWI30	11-2000	Y
AIT	WISCONSIN	WI	MILWWI42	11-2000	Y
AIT	WISCONSIN	WI	NENHWI11	11-2000	Y
AIT	WISCONSIN	WI	OSHKWI01	11-2000	Y
AIT	WISCONSIN	WI	PRSDWI11	12-2000	Y
AIT	WISCONSIN	WI	STRTWI11	12-2000	Y
AIT	WISCONSIN	WI	WKSHWI47	11-2000	Y

DTI Network Disclosure

RT Housing Legend
CAB - Cabinet
CEV - Controlled Environment Vault
HUT - Hut
N - New
U - Upgrade
R - Retrofit

Important: Turn-up is now being disclosed at a DA level instead of an RT level. Therefore, Estimated Completion Dates are for a DA only and cannot be assumed for all DAs within a DSA (RT serving area).

COMPANY	MARKET AREA	ST	WC CLLI	RT CLLI	RT HOUSING	DSA	DA	EST COMP DATE	DA COMPLETE	ACTUAL COMP DATE
AMERITECH	WISCONSIN	WI	DEPRWI11	DEPRWIU0002	HUT-U	2107	2107R	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	DEPRWI11	DEPRWIU0002	HUT-U	2107	2108R	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	DEPRWI11	BLLVWIAEH00	HUT-U	2125	2125AR	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	DEPRWI11	BLLVWIAEH00	HUT-U	2125	2125BR	04-2001	Y	
AMERITECH	WISCONSIN	WI	CDBGWI15	CDBGWIBU	CEV-N	1109	1109	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	CDBGWI15	CDBRWIAG	CEV-N	1123	1121	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	CDBGWI15	CDBRWIAG	CEV-N	1123	1123	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	CDBGWI15	CDBRWIAG	CEV-N	1123	1125	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	CDBGWI15	CDBRWIAG	CEV-N	1123	1126	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	CDBGWI15	CDBRWIAG	CEV-N	1123	1130	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	CDBGWI15	CDBGWIU0001	HUT-R	1131	1131	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	CDBGWI15	CDBGWIU0001	HUT-R	1131	1135	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	CDBGWI15	GFTNWIU0001	HUT-R	1162	1162	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	MDSNWI12	MDSNWIU0003		1113	1113C	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	MDSNWI12	MDSNWIU0003		1113	1113D	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	MDSNWI12	MDSNWIU0009	HUT-U	1114	1114R	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	MDSNWI12	MDSOWIPD	CAB-N	1134	1134	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	MDSNWI12	BURKWIU3701	HUT-U	2108	2108A	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI12	BURKWIU3701	HUT-U	2108	2108B	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI12	BURKWIU3701	HUT-U	2108	2108C	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI12	BURKWIU3701	HUT-U	2108	2108D	12-2000	Y	12-2000

AMERITECH	WISCONSIN	WI	MDSNWI12	MDSNWIU5002	HUT-U	2109	2109	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI12	BURKWIAHH00	CEV-U	2126	2126	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI12	BURKWIU4200	HUT-U	2134	2134R	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI12	MDSNWIU3300	HUT-U	2167	2166	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	MDSNWI12	MDSNWIU3300	HUT-U	2167	2167	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	MDSNWI12	MDSNWIU3300	HUT-U	2167	2168	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	MDSNWI12	MDSNWIU3300	HUT-U	2167	2169	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	MDSNWI12	MDSNWIU3300	HUT-U	2167	2170	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	MDSNWI12	MDSNWIU4011	HUT-U	3121	3105A	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI12	BLDGVIAHH00	HUT-U	3113	3113	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	MDSNWI12	MDSNWIU4011	HUT-U	3121	3120	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI12	MDSNWIU4011	HUT-U	3121	3121	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI12	MDSNWIU4011	HUT-U	3121	3127	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI12	MDSNWIU4011	HUT-U	3121	3131	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI12	MDSNWIU4011	HUT-U	3121	3131A	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI12	MDSNWIU4011	HUT-U	3121	3132	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI12	MDSNWIU4011	HUT-U	3121	3133	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI13	MDSNWIU0612	HUT-U	1118	1118A	11-2000	Y	11-2000
AMERITECH	WISCONSIN	WI	MDSNWI13	MDSNWIU0612	HUT-U	1118	1118B	11-2000	Y	11-2000
AMERITECH	WISCONSIN	WI	MDSNWI13	MDSNWIU0612	HUT-U	1118	1119	11-2000	Y	11-2000
AMERITECH	WISCONSIN	WI	MDSNWI13	MDSNWIU5522	HUT-U	1121	1121	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI13	MDSNWIU5522	HUT-U	1121	1122	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI13	MDSNWIU5522	HUT-U	1121	1123	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI13	MDTNWIU5210	HUT-R	1208	1208A	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	MDSNWI13	MDTNWIU5210	HUT-R	1208	1208B	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	MDSNWI13	MDSNWIUAH00	CEV-U	4129	4128	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	MDSNWI13	MDSNWIUAH00	CEV-U	4129	4129	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	MDSNWI13	MDSNWIUAH00	CEV-U	4129	4130	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	MDSNWI13	MDSNWIU0612	HUT-U	1118	4143A	11-2000	Y	11-2000
AMERITECH	WISCONSIN	WI	MDSNWI13	MDSNWIU0612	HUT-U	1118	4143B	11-2000	Y	11-2000
AMERITECH	WISCONSIN	WI	MDSNWI13	MDSNWIU0612	HUT-U	1118	4144	11-2000	Y	11-2000
AMERITECH	WISCONSIN	WI	MDSNWI13	MDSNWIU0612	HUT-U	1118	4148	11-2000	Y	11-2000
AMERITECH	WISCONSIN	WI	MDSNWI14	MDSNWIU2918	HUT-U	2220	2220	02-2001	Y	02-2001

AMERITECH	WISCONSIN	WI	MDSNWI14	BLGVWIU0001	HUT-U	2350	2350R	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	MDSNWI14	MONNWIAXH00	CAB-U	4220	4220	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	MDSNWI16	MDSOWLH00	CAB-N	2104	2104A	11-2000	Y	11-2000
AMERITECH	WISCONSIN	WI	MDSNWI16	MDSOWLH00	CAB-N	2104	2104B	11-2000	Y	11-2000
AMERITECH	WISCONSIN	WI	MDSNWI16	MDSOWLH00	CAB-N	2104	2107	11-2000	Y	11-2000
AMERITECH	WISCONSIN	WI	MDSNWI16	MDSOWIDMH00	CAB-U	2112	2112D	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI16	MDSOWIDMH00	CAB-U	2112	2112E	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI16	MDSNWIU0517	HUT-U	2306	2306A	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI16	MDSNWIU0517	HUT-U	2306	2306B	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI16	MDSNWIU0517	HUT-U	2306	2306C	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI16	MDSNWIU0517	HUT-U	2306	2306D	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI16	MDSNWIU0517	HUT-U	2306	2306E	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI16	FTBGWIU5940	HUT-U	3106	3106C	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI16	FTBGWIU5940	HUT-U	3106	3107A	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI16	FTBGWIU5940	HUT-U	3106	3107B	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI16	FTBGWIU5940	HUT-U	3106	3108A	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI16	FTBGWIU5940	HUT-U	3106	3108B	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI16	FTBGWIU2791	HUT-U	3110	3109	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	MDSNWI16	FTBGWIU2791	HUT-U	3110	3110A	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	MDSNWI16	FTBGWIU2791	HUT-U	3110	3110B	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	MDSNWI16	FTBGWIU2791	HUT-U	3110	3111	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	MDSNWI16	FTBGWIU2791	HUT-U	3110	3112	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	MDSNWI16	FTBGWIABH00	CEV-R	3119	3114	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	MDSNWI16	FTBGWIABH00	CEV-R	3119	3116A	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	MDSNWI16	FTBGWIABH00	CEV-R	3119	3119	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	MDSNWI16	FTBGWIU5940	HUT-U	3106	3131	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MDSNWI16	FTBGWIU5263	HUT-U	3160	3160R	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	MILWWI10	OKCKWIU1016	HUT-R	3209	3209	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	MILWWI10	OKCKWIU1016	HUT-R	3209	3210	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	MILWWI12	WWTSWIU2500		1166	1166	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	MILWWI16	MEQNWIEJ	HUT-N	1103	1103	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	MILWWI16	MEQNWIU4233	HUT-U	1112	1112A	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	MILWWI16	MEQNWIU4233	HUT-U	1112	1112B	01-2001	Y	01-2001

AMERITECH	WISCONSIN	WI	MILWWI16	MEQNWIU4233	HUT-U	1112	1113	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	MILWWI16	MEQNWIU4233	HUT-U	1112	1118A	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	MILWWI16	MEQNWIU4233	HUT-U	1112	1118B	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	MILWWI16	MEQNWIU1191	HUT-N	1135	1136A	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	MILWWI16	MEQNWIU1191	HUT-N	1135	1136B	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	MILWWI16	MEQNWIU1191	HUT-N	1135	1137	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	MILWWI16	MEQNWIEG		1504	1504	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	MILWWI16	MEQNWIEJ	HUT-N	1103	1511	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	MILWWI23	MEQNWIU0724	HUT-R	1150	1125	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	MILWWI23	MEQNWIU0724	HUT-R	1150	1127A	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	MILWWI23	MEQNWIU0724	HUT-R	1150	1127B	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	MILWWI23	RVHLWIAB	CEV-U	1133	1133	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MILWWI25	GNFDWIDD	CAB-U	2106	2106	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	MILWWI25	FKLNWIU1010	HUT-R	3309	3307	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	MILWWI25	FKLNWIU1010	HUT-R	3309	3308	09-2001	Y	
AMERITECH	WISCONSIN	WI	MILWWI25	FKLNWIU1010	HUT-R	3309	3310A	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	MILWWI25	FKLNWIU1010	HUT-R	3309	3310B	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	MILWWI25	FKLNWIEB	CEV-N	3310	3310C	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	MILWWI25	FKLNWIU1010	HUT-R	3309	3310D	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	MILWWI42	MILWWIU5300		3311	3311	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	NENHWI11	NENHWIU1136	HUT-U	1136	1118	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	NENHWI11	NENHWIU1136	HUT-U	1136	1136A	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	NENHWI11	NENHWIU1136	HUT-U	1136	1136B	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	NENHWI11	NENHWIU1136	HUT-U	1136	1136C	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	NENHWI11	NENHWIU1136	HUT-U	1136	1137B	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	NENHWI11	MNSHWIDD	CAB-U	1145	1145R	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	NENHWI11	MNSHWIDD	CAB-U	1145	1146	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	NENHWI11	NENHWIU0131	HUT-R	3111	3111A	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	NENHWI11	NENHWIU0131	HUT-R	3111	3111B	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	NENHWI11	NENHWIU0131	HUT-R	3111	3111C	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	NENHWI11	NENHWIU0131	HUT-R	3111	3112	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	NENHWI11	MNSAWIAK	CAB-N	4021	4021R	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	NENHWI11	NENHWIU1200	HUT-U	4109	4109A	02-2001	Y	02-2001

AMERITECH	WISCONSIN	WI	NENHWI11	NENHWIU1200	HUT-U	4109	4109B	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	NENHWI11	NENHWIU1200	HUT-U	4109	4111	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	NENHWI11	NENHWIU2401	HUT-U	4112	4112A	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	NENHWI11	NENHWIU2401	HUT-U	4112	4112B	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	NENHWI11	NENHWIU1200	HUT-U	4109	4117R	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	NENHWI11	NENHWIU1795	HUT-U	4119	4119A	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	NENHWI11	NENHWIU1795	HUT-U	4119	4119B	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	NENHWI11	NENHWIU1902	HUT-U	4120	4120A	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	NENHWI11	NENHWIU1902	HUT-U	4120	4120B	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	NENHWI11	MNSHWIDB	HUT-U	4121	4121R	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	NENHWI11	NNAHWIAB	CAB-U	4129	4129R	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	OSHKWI01	OSHKWIDH	HUT-U	1115	1115A	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	OSHKWI01	OSHKWIDH	HUT-U	1115	1115B	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	OSHKWI01	OSHKWIDH	HUT-U	1115	1115C	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	OSHKWI01	OSHKWIDH	HUT-U	1115	1115D	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	OSHKWI01	OSHKWIDH	HUT-U	1115	1117A	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	OSHKWI01	OSHKWIU1120	HUT-U	1120	1118	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	OSHKWI01	OSHKWIU1120	HUT-U	1120	1120A	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	OSHKWI01	OSHKWIU1120	HUT-U	1120	1120B	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	OSHKWI01	OSHKWIU1120	HUT-U	1120	1121	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	OSHKWI01	OSHKWIU0003	HUT-U	1122	1122AR	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	OSHKWI01	OSHKWIU0003	HUT-U	1122	1122BR	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	OSHKWI01	OSHKWIU0004	HUT-U	1134	1134R	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	OSHKWI01	OSHSWIAC	CAB-U	1138	1138R	11-2000	Y	11-2000
AMERITECH	WISCONSIN	WI	OSHKWI01	OSHKWIU0001	HUT-U	3211	3126R	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	OSHKWI01	OSHKWIU0001	HUT-U	3211	3128R	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	OSHKWI01	ALGMWIU0001	HUT-U	3189	3189	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	OSHKWI01	OMROWIU0001	HUT-U	3190	3190R	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	OSHKWI01	OSHKWIU0001	HUT-U	3211	3211R	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSHWIU0219	HUT-U	1117	1115	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSHWIU0219	HUT-U	1117	1116	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSHWIU0219	HUT-U	1117	1117A	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSHWIU0219	HUT-U	1117	1117B	01-2001	Y	01-2001

AMERITECH	WISCONSIN	WI	WKSHWI47	WKSHWIU0219	HUT-U	1117	1117C	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSHWIGWH00	HUT-R	1153	1153	02-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSHWIGWH00	HUT-R	1153	1154A	02-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSHWIGWH00	HUT-R	1153	1162	02-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSAWIAF	CEV-N	2116	2116A	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSAWIAF	CEV-N	2116	2116B	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSAWIAF	CEV-N	2116	2116C	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSHWIU0006	HUT-R	2121	2120	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSHWIU0006	HUT-R	2121	2121	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSHWIU0006	HUT-R	2121	2122	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	WKSHWI47	NWBLWIHR	CAB-U	2145	2145	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	WKSHWI47	NWBLWIHR	CAB-U	2145	2146	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSHWIU0146	HUT-U	3143	3143A	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSHWIU0146	HUT-U	3143	3143B	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSHWIU0146	HUT-U	3143	3143C	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSHWIU0146	HUT-U	3143	3143D	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSHWIU0152	HUT-R	3147	3147	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSHWIU0152	HUT-R	3147	3148	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSHWIU0152	HUT-R	3147	3152	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSAWIAB	HUT-R	3201	3201	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSHWIU0151	HUT-R	3203	3203	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSHWIU0005	CEV-U	4125	4113	11-2000	Y	11-2000
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSHWIU0005	CEV-U	4125	4114	11-2000	Y	11-2000
AMERITECH	WISCONSIN	WI	WKSHWI47	PEWTWIARH00	HUT-R	4148	4121	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSHWIU0005	CEV-U	4125	4125	11-2000	Y	11-2000
AMERITECH	WISCONSIN	WI	WKSHWI47	PEWTWIARH00	HUT-R	4148	4148A	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	WKSHWI47	PEWTWIARH00	HUT-R	4148	4148B	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSHWIU0005	CEV-U	4125	4152A	11-2000	Y	11-2000
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSHWIU0005	CEV-U	4125	4152B	11-2000	Y	11-2000
AMERITECH	WISCONSIN	WI	WKSHWI47	WKSHWIU0005	CEV-U	4125	4153	11-2000	Y	11-2000
AMERITECH	WISCONSIN	WI	APPLWI01	APPLWIJZ	CAB-U	1123	1120	11-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	APPLWI01	APPLWIJZ	CAB-U	1123	1123	11-2000	Y	11-2000
AMERITECH	WISCONSIN	WI	APPLWI01	APPLWIJY	CAB-U	1143	1143R	11-2000	Y	11-2000

AMERITECH	WISCONSIN	WI	APPLWI01	SYMRWIAHH00	CAB-U	1147	1147R	01-2001	Y	01-2001
AMERITECH	WISCONSIN	WI	APPLWI01	BLCKWIAF	CAB-N	1154	1154R	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	APPLWI01	FRDMWIAB	CAB-U	1157	1157R	12-2000	Y	12-2000
AMERITECH	WISCONSIN	WI	APPLWI01	APPLWIIN	HUT-R	1202	1202A	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	APPLWI01	APPLWIIN	HUT-R	1202	1202B	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	APPLWI01	APPLWIIN	HUT-R	1202	1202C	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	APPLWI01	APPLWIIN	HUT-R	1202	1202D	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	APPLWI01	APPLWIIN	HUT-R	1202	1203	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	APPLWI01	APPLWIIN	HUT-R	1202	1208	03-2001	Y	03-2001
AMERITECH	WISCONSIN	WI	APPLWI01	GDCTWIU4165	HUT-R	4165	4165A	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	APPLWI01	GDCTWIU4165	HUT-R	4165	4165B	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	APPLWI01	GDCTWIU4165	HUT-R	4165	4165C	02-2001	Y	02-2001
AMERITECH	WISCONSIN	WI	APPLWI01	GDCTWIU4165	HUT-R	4165	4165D	02-2001	Y	02-2001